

Graduate Council Meeting No. 552 February 13, 2023 via Zoom | Minutes

Council Members Present: James Agostinucci, Araceli Bonifant, Patricia Crawford, Susan DeSanto-Madeya, Cheryl Foster, Shingo Goto, Rabia Hos, Aaron Ley, Scott McWilliams, Melissa Omand, Martha Rojas, Angela Slitt, Jing Jian Xiao

Council Members Absent: Ali Akanda, Karen Walton Morse

Guest: Joanna Burkhardt (representing Karen W.)

Graduate School Present: Eric Beretta, Jessica Coyle, Brenton DeBoef, Corinne Kulesh, Cara Mitnick, Colleen Mouw

I. Call to order

- ★ *The meeting was called to order at 2:05 pm by Chair Angela Slitt.*

II. Approval of Minutes - Meeting No. 551, November 21, 2022

- ★ *Motion to approve the minutes for meeting number 551*
 - *Approved*

III. Announcements

- A. Program meetings update (*DeBoef*)
 - 1. Dean DeBoef informed the council that the Graduate School has held meetings with Program Directors based on degree type to discuss admission and enrollment processes. The next meeting will be for Ph.D. programs. The Graduate School will continue to hold meetings yearly with programs
- B. Professional development update (*Mitnick*)
 - 1. Associate Director Mitnick announced that this is the second year in a row that three of the four participants of the Fulbright Writing Group run by the Graduate Writing Center are semifinalists for Fulbright. The Fulbright Writing Group will take place again in June 2023. An NSF GRFP writing group will also take place this summer. Associate Director Mitnick presented a slideshow of upcoming events including a Tax Return Workshop, CV Resume Seminar, and Finding and applying for a Postdoc Position Workshop.
- C. Admission & enrollment data update (*Kulesh*)
 - 1. Associate Director Kulesh presented admission application and enrollment data for Spring 2023. There are currently 1,051 applications ready for review. This time last year there were 1,003 applications. Growth applications within GradCAS are within the Physics (Ph.D.), Computer Science (MS & Ph.D.), Medical Physics, Music, and Health Sciences (Ph.D.) programs. EngCAS had growth applications within the Chemical Engineering, Civil Engineering, and Ocean Engineering programs. BusCAS had growth applications within the Business PhD program.
- D. Strategic planning & key performance indicators update (*DeBoef*)
 - 1. Dean DeBoef informed the council that the key performance indicators are not finalized yet. A team was created which includes graduate faculty to determine the metric used for key performance indicators. The goal is in 10 years to have increased the number of Phds conferred by 50 percent and all masters degrees increased by 75 percent.

- E. Recent appointments to the Graduate Faculty (*Mouw*)
 - Ian Conery, Outside Scholar, GSO
 - Giuseppe Coppotelli, Research Assistant Professor, COP
 - Angie Chiang, Lecturer/ Teaching Professor, CAS
 - Alissa H. Cox, Clinical Assistant Professor, CELS
 - Peter Stempel, Outside Scholar, CELS
 - Gary Gordon, Outside Scholar, CELS
 - Bridgett King, Outside Scholar, CAS
 - Rebecca J. Cobb, Outside Scholar, CHS
 - Lindsey R. Anderson, Director, CHS
 - Sammy Ahmed, Assistant Professor, CHS

IV. New Business

- A. Revisions to the Graduate Manual Preamble
 - ★ *Motion to approve the proposed changes to the Graduate Manual Preamble*
 - *Approved*
- B. Revisions to the Graduate Manual, Section 11.21
 - ★ *Motion to approve the proposed changes to the Graduate Manual section 11.21 and make additional edits*
 - *Approved*
- C. Revisions to the Graduate Manual, Appendix I, Section 1.0 and 3.0
 - ★ *Motion to approve the proposed changes to the Graduate Manual Appendix I, section 1.0 and 3.0*
 - *Approved*
 - *1 council member opposed*
- D. Discussion: Implications of expanding ABD and reducing credit requirements for PhD programs
 - 1. ABD and PhD credit requirements - Google Docs
 - a) Dean DeBoef presented a Graduate Manual change proposal to change the ABD status length from two semesters to four semesters and reduce the amount of minimum Ph.D. credit requirements from 72 to 64 credits. This would provide financial relief for both Pls and doctoral students. The amount of Ph.D. credits would need to be lowered in order to allow expansion of ABD status.

V. Graduate New Program & Tracks (proposals through Kualii) (*DeBoef*)

NOTICE OF CHANGE

Data Science MS - Change in program description and course requirements.

★ *Approved*

Human Resources Certificate - Requesting to suspend the program due to limited enrollment and limited faculty resources.

★ *Approved*

Interdisciplinary Neuroscience - PhD - Change in program description, elective courses, and admission requirements.

★ *Approved*

Physical Therapy DPT - Change credit course requirements and description.

★ *Approved*

Textiles, Fashion Merchandising and Design ABM - Change in admission requirement

★ *Approved*

PHP Medicinal Chem & Pharmacognosy - Change in course requirements

NEW PROGRAM AND TRACK PROPOSALS

Interdisciplinary Neuroscience ABM - The INP-ABM program will enable students to complete a bachelor and master's program in a five-year period.

★ *Approved*

VI. Graduate Curriculum (proposals through Kualii) (*Mouw*)

500-LEVEL NEW COURSE PROPOSALS

COLLEGE OF ARTS & SCIENCES

(TABLE) CSC 546 Algorithms for Big Data

(4 crs.) Explore algorithms for data that outpaces computing. Mathematically rigorous models for designing efficient algorithms for large data sets. Sketching and streaming, locality-sensitive hashing, entropy-scaling, manifold learning, and others. (Seminar) Pre: CSC 440 and permission of the instructor

COLLEGE OF BUSINESS

(TABLE) LHR 546 Negotiation and Alternative Dispute Resolution

(3 crs.) Examination of the interpersonal dynamics of negotiations and conflict resolution processes, including interest-based or collaborative bargaining in a variety of contexts; e.g. labor relations, community, environmental, divorce, racial, commercial. (Lec. 3 - online) Pre: graduate standing or permission of Labor Research Center Director.

GRADUATE SCHOOL OF OCEANOGRAPHY

(TABLE) OCG 577 Modeling the Marine Carbon Cycles

(3 crs.) Development of idealized mathematical and numerical models of the marine carbon cycles over various spatial and temporal scales. The numerical modeling component, using Python, accommodates beginner programmers. (Lecture) Pre: none

500-LEVEL COURSE CHANGES

COLLEGE OF ARTS & SCIENCES

DSP 555 Multivariate Statistical Learning for Data Science

(3 crs.) Multivariate data organization and visualization, multivariate distributions, tests of hypotheses on mean vectors, multivariate regression and classification, penalized regression, tree-based methods, principal component analysis, clustering, cross-validation, and bootstrapping. (Accelerated Online Program) Pre: DSP 552 and DSP 553 and admitted to Data Science Certificate or admitted to Data Science Master's program.

Changing prerequisites

★ *Approved*

DSP 556 Machine Learning for Data Science

(3 crs.) Survey of traditional and newly developed machine learning techniques from an applied perspective, with emphasis on applications to a variety of domains. (Accelerated Online Program) Pre: Credit or concurrent enrollment in DSP 555 and enrollment in the Online Graduate Certificate in Data Science.

Changing prerequisites

★ *Approved*

DSP 577 Interdisciplinary Data Enabled Research/Capstone

(3 crs.) Students apply theoretical knowledge acquired during the Data Science Certificate program to a project involving actual data in a realistic setting. A Team-based capstone data project will provide real-world experiences of data-driven research for students. (Accelerated Online Program) Pre: DSP 556 and Enrollment in the Online Graduate Certificate in Data Science.

Change in course number and department

★ *Approved*

COLLEGE OF ENGINEERING

MCE 568 Theory of Plates

(3 crs.) Cross-listed as (MCE), CVE 568. Development of basic plate equations. Classical solution examples of rectangular and circular plates. Additional topics selected from orthotropic plates, large deflections, finite element, and numerical solutions. (Lec. 3) Pre: CVE 220 and MTH 244 or 362, or permission of instructor.

Changing prerequisites

★ *Approved*

COLLEGE OF HEALTH SCIENCE

KIN 531 Advanced Experimental Techniques in Exercise Science

LEC: (3 crs.) Instruction on and analysis of various techniques used in exercise science research, clinical assessment, and/or professional practice. (Lec. 3) Pre: graduate standing or permission of instructor.

Change in description and prerequisites

★ *Approved*

COLLEGE OF NURSING

NUR 517 Health Care Policy

(3 crs.) Development of policy frameworks and their applications for understanding current social and health care policy issues. Exploration of international perspectives and advocacy needed for policy change and global health. (Seminar)

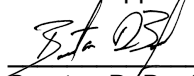
Change in course code and number and description

★ *Approved*

VII. Adjournment

★ *Chairperson Slitt asked for a motion to adjourn. The meeting was adjourned at 3:53 pm.*

Minutes approved by the Graduate Council on March 6, 2023



Brenton DeBoef, Dean of the Graduate School